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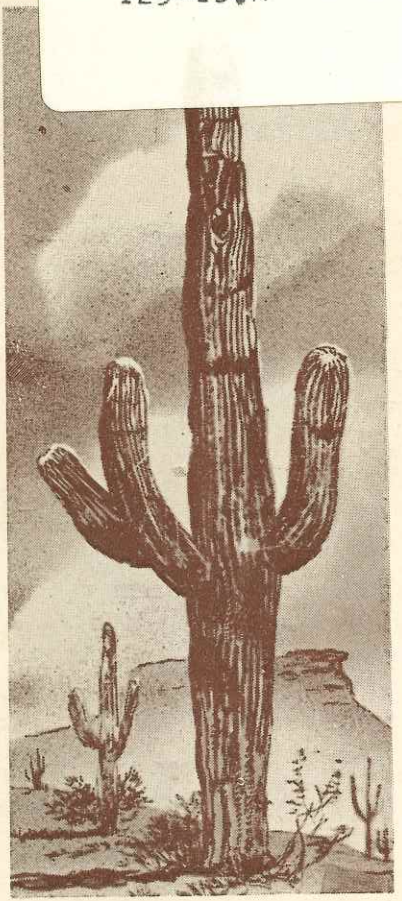

ALTA INDUSTRIES 1955

AMERICAN GEM AND MINERAL SUPPLIERS ASSOCIATION

Lapidary Equipment

Manufacture and Design

GUFFEY INSTITUTE & Lapidary
3001 - 3003 M ST., N. W.
WASHINGTON, D. C.

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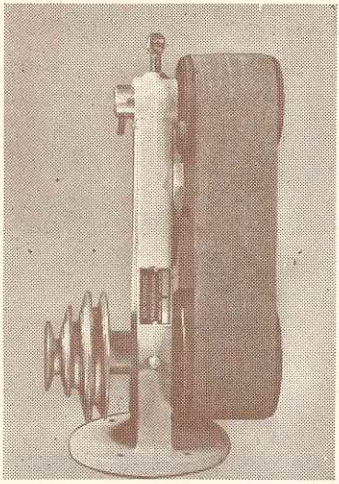
ALTA GEM SANDER AND POLISHING UNIT



An all purpose sander designed for sanding and polishing stones, woodwork, leather finishing, jewelry polishing, etc. The frame is made of heavy aluminum casting. Bronze bushings reduce friction to a minimum and alemite grease fittings provide easy oiling.

An adjustable head keeps belts centered on pulley.

In adjusting belt tension or in changing belts simply turn cam lever on top of casting and lock set screw. This is a real time saving factor.

A 4" diam. die cast pulley with 3 steps gives a wide range of speeds. Top pulley measures 3" diam. and bottom pulley measures 4" diam. Center distance between pulleys 7⅞".

Sanding belts are endless 2½" wide by 27" long and can be furnished in various grits. The woven polishing belts are also endless and can be impregnated with any polishing powder similar to a felt wheel.

Overall dimensions 7½" wide and 12½" high.
Weight 9 lbs. complete. Shipping weight approximately 16 lbs.

Price (less belts) $29.50.

Dry belts 35c each. 3 for $1.00. Wet belts 55c each (2 for $1.00).
Woven cloth belt $2.60. Leather polishing belt $5.75. (See under Ball Bearing Sander for various grits carried).

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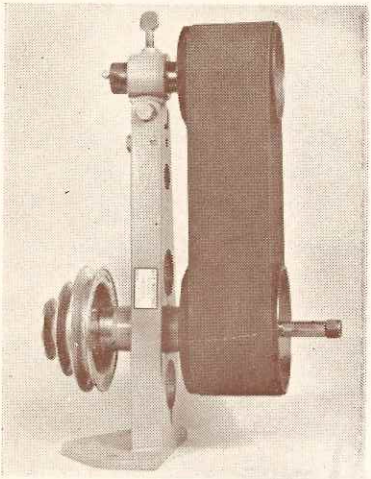
The splash guard is included in unit price on ball bearing sander.

ALTA *Ball Bearing*
All Purpose BELT SANDER

—FINEST POLISHING UNIT AVAILABLE—



This all purpose sander has unlimited possibilities for almost any hobby or profession where sanding and polishing are necessary. In addition to sanding and polishing stones, it can be used for a variety of purposes such as wood work, leather finishing, jewelry polishing, etc., and this machine should last a life-time.

The sander has an adjustable head for keeping belts centered on pulley.

The most important advantage of this unit is that, inasmuch as pressure on the stones is distributed over a large area, overheating of the stone at point of contact is prevented.

SPECIAL FEATURES OF BALL BEARING SANDER:

Smoother and cleaner running.

Quick changing of belts (few seconds only).

Sealed bearings eliminate necessity for greasing.

Extended shaft for mounting tapered buffing wheel, arbor, as well as drill chuck.

In adjusting belt tension or in changing belts simply turn cam lever on top of casting and lock with thumb screw. This is a real time saver.

A 4" diam. die cast pulley with 3 steps gives a wider range of speeds. Top pulley measures 3" diam.; bottom pulley 4" diam.; center distance between pulleys 7 7/8".

Sanding belts are endless measuring 2½" wide by 27" long and can be furnished in various grits.

Polishing belts are also endless woven and can be impregnated with any polishing powder similar to a felt wheel.

Overall dimensions: 7½" wide by 12½" high.

Weight: 9 lbs. complete; shipping weight approx. 16 lbs.

Price (less belts)	$42.50
Hinged Splash Guard	8.75
Leather Polishing Belt	5.75
Woven Polishing Belt	2.60
Dry Belts	35c ea. (3 for $1.00) (100, 220, 320 grit)
Crocus Cloth Belts	35c ea.
Wet Belts	55c ea (2 for $1.00) ~~(3 for $1.00)~~ 120 280 400 600 grit

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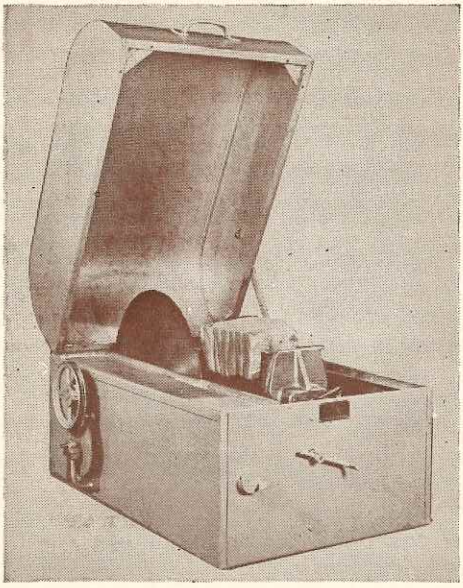
ALTA DIAMON

(16-18 inch P



Alta Industries is proud of the record and performance of their "big saw" units.

The Alta diamond saw unit is of heavy construction and is especially suited for slabbing large rocks: 7 x 8 x 18 inch rocks and as many as ten ¼ inch slabs can be cut out at one setting. Either a 16 or 18 inch blade can be used. The dimensions of the unit are 20" wide, 32" long, and 21" high. The unit has a wide shelf of 5½" that allows for cutting bookends, etc.

The arbor shaft is a ⅞" drill rod, turned down one end to ¾" for blades. The arbor housing is an aluminum casting; quill bearings are used. Alemite fittings are provided for easy oiling.

The vise unit is mounted on a heavy carriage which in turn travels on the lead screw on half nuts. This factor allows for entire vise assembly to be lifted out of the machine without removing any

D SAW UNIT

ower Feed)

bolts. The lead screw is a steel shaft 33 inches long, threaded for about half its length. This is for feeding the vise carriage. There is no possibility of this assembly becoming stuck with grit as there are no sliding guides or rods. Alignment is also simple matter with this feature. There is a brace rod from the arbor housing which is also for aligning blades with the lead screw. The vise jaws are made of heavy aluminum castings sliding on two ¾" diameter steel rods.

Vise adjusting screw is a ¾" threaded steel rod. The vise jaws open up 8 inches; size of jaws 3½" x 6" lined with hard wood; longitudal feed 12" and vise cross-feed 4 inches.
Three step pulleys for lead screw and worm shaft allow for varied speeds to the cutting feeds.

The arbor has a 6" V pulley for A belts and a take-off from the arbor shaft to the worm and gear box to drive the lead screw. The worm shaft has an outer bearing for better alignment.

Price (less motor and blade) $190.00, Phoenix.

Shipping weight—approximately 170 lbs. crated.
Weight feed model identical in size and capacity, $145.00.
Metal stand, $22.00.

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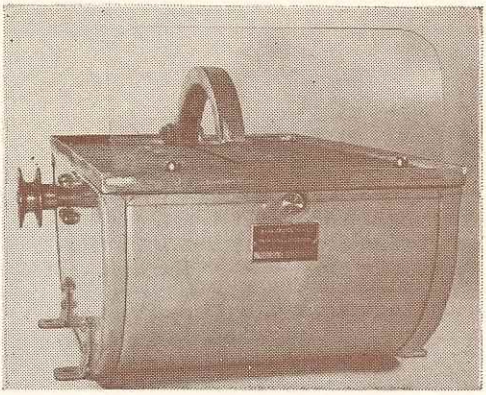
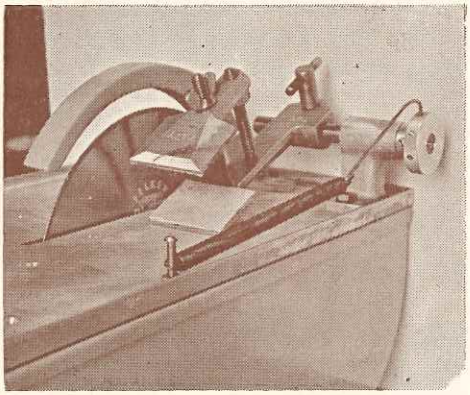


ALTA Trim Saw Unit



ALTA Trim Saw with ALTA Adjustable Vise Shown

An essential machine for the Lapidarist. None better than an Alta.

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ALTA 8 and 10 Inch Trim Saw Units

The Alta trim saw units are made of heavy sheet metal with cast aluminum alloy plate. The plate is hinged to the unit. There is a splash guard inside and over saw with spray guard in front.

ALTA 8 Inch Trim Saw Unit measures 9½" wide, 14½" long and 7" high. A ½" arbor shaft mounted on ball bearings takes 8" blade down and cuts rocks up to 2½ inches.

Shipping weight: aprox. 16 lbs.

Price (less blade and motor) $32.00.

ALTA 10 Inch Trim Saw Unit measures 9½" wide, 14½" long and 8" high. A ⅝" arbor shaft mounted on ball bearings takes 10" blade down and cuts rocks up to 3½ inches.

Shipping weight: aprox. 18 lbs.

Price (less blade and motor) $37.00.

Movable vise with 1½" cross feed for trim saw units: $10.00.

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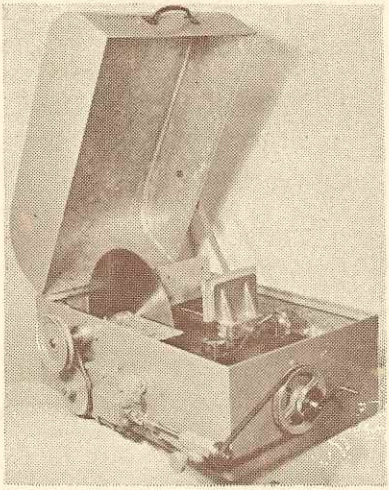
NEW ALTA SLABBING SAW
(10-12 inch powerfeed unit)



Measurements:

Unit—15x24"; 14" high.
Arbor—⅝ths, ball bearing.
Powerfeed screw, 1⅛" diam.
Vise carriage 3 point suspension ½ nuts to powerfeed screw.
Vise opens 5¼"; vise cross feed 2½".

Carriage assembly can be lifted out of saw box without removing any screws or bolts.
Reduction gearing and belts are all on the outside of the unit.
Two-speed powerfeed drive.
Clutch for engaging powerfeed; also can be operated by hand.
Unit takes 12" blade on down.
Price: Table model $112.50 (less blade and motor).
Metal stand, $7.00.
Shipping weight aprox. 100 lbs. crated.
Complete unit with 12" light duty blade, motor, switch, pulley and metal stand, $167.50.

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